Posters, Day 1 (Tuesday, July17)

1	Benjamin	Ames	*Interfacing Ions with Nanofibers*	Ben Ames, Jan Petersen, Mike Brownnutt, Arno Rauschenbeutel, Rainer Blatt
2	Sarah	Anderson	*Rydberg atoms in ponderomotive optical lattices*	Sarah E Anderson and Georg Raithel
3	Quentin	Baudouin	*random laser in cold atoms*	Q. Baudouin, N. Mercadier, V. Guarrera and R. Kaiser
4	Michael	Bauer	*Towards coherent interaction between single neutral atoms and a BEC*	Michael Bauer, Shrabana Chakrabarti, Philipp Franzreb, Benjamin Gänger, Farina Kindermann, Nicolas Spethmann, and Artur Widera
5	Erwan	Bimbard	*Generating non classical light with Rydberg interactions*	Erwan Bimbard, Valentina Parigi, J. Stanojevic, A. Ourjoumtsev et P. Grangier.
6	Martin	Boll	*Towards Probing of Fermionic Quantum Many Body Systems on the Single Atom Level*	Martin Boll(1), Ahmed Omran(1), Thomas Gantner(1), Timon Hilker(1), Michael Lohse(1), Immanuel Bloch(1,2) and Christian Groß(1) ((1): Max Planck Institute of Quantum Optics, Garching b. München (2): Ludwigs-Maximilians Universität München
7	Qiong	Chen	*Controllable quantum state transfer and entanglement generation between distant nitrogen-vacancy-center ensembles coupled to superconducting fux qubits*	Qiong Chen, Wan Li Yang, and Mang Feng
8	Rémi	Desbuquois	*Superfluid Behavior of a two-dimensional Bose gas.*	Rémi Desbuquois, Lauriane Chomaz, Tarik Yefsah, Julian Léonard, Jérôme Beugnon, Christof Weitenberg,Jean Dalibard.

9	Soeren	Doerscher	*An Apparatus for the Investigation of Ytterbium Quantum Gases in Optical Lattices*	Sören Dörscher, Alexander Thobe, Bastian Hundt, Christoph Becker and Klaus Sengstock
10	Elmer	Doggen	*Hartree shift in ultracold Fermi gases*	E. V. H. Doggen and J. J. Kinnunen.
11	Bess	Fang	*Momentum distribution of 1D Bose gases at the quasi-condensation crossover*	Thibaut Jacqmin, Bess Fang, Tarik Berrada, Tommaso Roscilde and Isabelle Bouchoule
12	Dominik	Fischer	*Towards probing quantum many-body systems with single atom resolution*	Dominik Fischer, W. Rohringer, F. Steiner, M. Trupke and J.Schmiedmayer.(Affiliation of all authors: Vienna Center for Quantum Science and Technology, Vienna, Austria)
13	Sascha	Hoinka	*Dynamic spin response of a strongly interacting Fermi gas*	Sascha Hoinka, Marcus Lingham, Marion Delehaye, and Chris J. Vale
14	Mikhail	Gurov	*Comparison of two state-of-the-art Strontium optical lattice clocks*	M. G. Gurov, M. Zawada, L. Lorini, R. Gartman, B. Nagórny, R. Le Targat, J. Lodewyck, P. Lemonde,Y. Le Coq, M. Abgrall, J. Guena, P.Rosenbusch, D. Rovera, P. Laurent , S. Bize.
15	Andrea	Gutierrez	*Trapped antihydrogen*	Andrea Gutierrrez and the ALPHA collaboration
16	Pinja	Haikka	*Information flow in pure dephasing quantum processes*	Pinja Haikka, Suzenne McEndoo and Sabrina Maniscalco
17	Anders	Hansen	*Quantum Mixtures of Lithium and Ytterbium*	A. Hansen, A. Khramov, A. Jamison, W. Dowd, B. Plotkin-Swing and S. Gupta.

18	Ali Ümit Cemal	Hardal	*Transfer of spin squeezing and particle entanglement between atoms and photons in coupled cavities via two-photon exchange*	Ali Ü. C. Hardal and Özgür E. Müstecaplıoğlu
19	Lynn	Hoendervanger	*Three dimensional detection of single metastable helium atoms*	A.L. Hoendervanger, D. Clement, D. Boiron, C.I. Westbrook, Y. Picard, and D. Dowek
20	Alan	Jamison	*Interferometry with Bose-Einstein Condensates: Toward a sup-ppb measurement of the fine structure constant*	A. O. Jamison, B. Plotkin-Swing, A. H. Hansen, A. Khramov, W. H. Dowd, and S. Gupta
21	Rabeb	JAZY	*First primary frequency standard in Tunisia*	Rabeb Jazy, Haikel Jelassi, Emeric de Leclerc, Philip Tuckey and Mourad Telmini.
22	Ricardo	Jimenez Martinez	*Design of microfabricated vapor cell for continuous flow production of hyperpolarized Xe*	Ricardo Jimenez-Martinez, Svenja Knappe, Elizabeth Donley, and John Kitching
23	Wen-Te	Liao	*Coherent Manipulation of a Single Hard X-Ray Photon*	Wen-Te Liao, Adriana Pálffy and Christoph H. Keitel
24	Elizabeth	Bridge	*Progress of the NPL Sr Optical Lattice Clock*	E.M. Bridge, I.R. Hill, Y.B. Ovchinnikov, S. Donnellan, E.A. Curtis, and P. Gill
25	Oliver	Barter	*Quantum homodyning of photonic qubits, qutrits and ququads emitted on demand from an atomic source*	Annemarie Holleczek and Oliver Barter

Posters, Day 2 (Wednesday, July 18)

1	Catherine	Klauss	*Contact Measurements on Atomic BEC*	Catherine E. Klauss, Philip P. Makotyn, Robert J. Wild, Eric A. Cornell, and Deborah S. Jin
2	Sebastian	Krämer	*Monte Carlo wave function simulations in nonlinear quantum optics using an adaptive coherent state basis*	S. Krämer, H. Ritsch and A. Vukics
3	Carlos	Kuhn	*Quantum criticality fo spin-1 bosons in a 1D harmonic trap*	C.C.N. Kuhn, X. W. Guan, A. Foerster and M. T. Batchelor
4	Ravi	Kumar	*Temperature measurement of cold atoms using transient absorption from an optical nanofibre*	Ravi Kumar (1), Laura Russell (1), Mark Daly (1), Vibhuti Bhushan Tiwari (1), Síle Nic Chormaic (1,2,3) 1. Physics Department and Tyndall National Institute, University College Cork, Cork, Ireland 2. Light-Matter Interactions Unit, Okinawa Institute of Science and Technology, Okinawa, Japan 3. School of Physics, University of Kwa-Zulu Natal, Durban 4001, South Africa
5	Santosh	Kumar	*Quantum processing by adiabatic transfer through a manifold of dark states*	Santosh Kumar and Deepak Kumar
6	Muir	Kumph	*Operating 2 Dimensional Arrays of Addressable Ion Traps*	Muir Kumph, Michael Brownnutt and Rainer Blatt
7	Pekko	Kuopanportti	*Vortex lattices in two-species Bose-Einstein condensates*	Pekko Kuopanportti, Jukka A. M. Huhtamäki, and Mikko Möttönen.
8	Christoph	Kurz	*Heralded photonic interaction between distant single ions*	Christoph Kurz (1), Jan Huwer (1,2) , Michael Schug (1), Philipp Müller (1), Jürgen Eschner (1,2) 1. Experimentalphysik, Universität des Saarlandes, Saarbrücken, Germany 2. ICFO – The Institute of Photonic Sciences, Castelldefels (Barcelona), Spain;

9	Chang Chi	Kwong	*Active Control of Magnetic Field in Ultracold Gas*	Chang Chi Kwong, Pramod Mysore Srinivas, Zhong Yi Chia, Tao Yang, Elnur Hajiyev, Frédéric Leroux and David Wilkowski.
10	Elsi-Mari	Laine	*Nonlocal memory effects in the dynamics of open quantum systems*	Elsi-Mari Laine, Jyrki Piilo, Turku Centre for Quantum Physics, Department of Physics and Astronomy, University of Turku; Heinz-Peter Breuer, Physikalisches Institut, Universität Freiburg; Bi-Heng Liu, Li Li, Yun-Feng Huang, Chuan-Feng Li, Guang-Can Guo, Key Laboratory of Quantum Information, University of Science and Technology of China
11	Renate	Landig	*Exploring cavity-mediated long-range interactions in a dilute quantum gas*	Renate Landig, Rafael Mottl, Kristian Baumann, Ferdinand Brennecke, Tobias Donner, Tilman Esslinger
12	Hoi Kwan	Lau	*Proposal for Ion Trap Bosonic Simulator*	Hoi-Kwan Lau and Daniel F. V. James
13	Robert	Lewis-Swan	*Proposal for a Bell inequality test with colliding BECs*	R.J. Lewis-Swan and K. V. Kheruntsyan
14	Hongli	Liu	*The Spectroscopy and MOT for Neutral Mercury Atoms*	Hongli Liu, Shiqi Yin, Jun Qian, Zhen Xu, Tao Hong,Yuzhu Wang
15	Tracy	Liu	*A K-Rb Setup for Probing Fermions in a Quasi-Two-Dimensional Geometry*	Tracy Li, Lucia Duca, Monika Schleier-Smith, Martin Boll, Martin Reitter, Jens Philipp Ronzheimer, Ulrich Schneider, and Immanuel Bloch
16	Raphael	Lopes	*Acoustic analog of the dynamical casimir effect*	C. I. Westbrook , D. Boiron, J. Ruaudel, R. Lopes, M. Bonneau J.-C. Jaskula and G. Partridge
17	Justin	Lovegrove	*Energetically Stable Singular Vortex Cores in Spin-1 Bose-Einstein Condensates*	J. Lovegrove, M. O. Borgh and J. Ruostekoski

18	Olga	Machtey/Schvarzman	*Rf spectroscopy of the Efimov energy level*	Olga Machtey, Zav Shotan, Noam Gross, and Lev Khaykovich
19	Chloé	Malbrunot	*Measurement of the hyperfine structure of antihydrogen at CERN*	Chloé Malbrunot, Martin Diermaier, Silke Federmann, Oswald Massiczek, Kuroda Naofumi, Clemens Sauerzopf, Ken Suzuki, Stefan Ulmer, Eberhard Widmann, Barbara Wünschek, Yasunori Yamazaki, Johann Zmeskal.
20	Hans	Marin Florez	*Noise correlation spectroscopy in Electromagnetically Induced Transparency with cold atoms*	Hans Marin, Luciano Cruz, Daniel Felinto, Jose W. Tabosa, Marcio M. Miranda, P. Nussenzveig, Marcelo Martinelli.
21	Ziv	Meir	*Towards an experiment with ultracold Sr+ ions and Rb atoms in overlapping traps*	Ziv Meir and Yehonatan Dallal
22	Marina	Mele-Messeguer	*Thermal spin fluctuations in spinor condensates*	M. Melé-Messeguer, B. Juliá-Díaz, A. Polls and L. Santos.
23	Rui	Han	*Long-lived qubit from three spin-1/2 atoms*	Rui Han, Hui Khoon Ng, Niels Lörch, Jun Suzuki and B.-G. Englert
24	Gurpreet Kaur	Gulati	*Narrowband Source of Correlated Photon Pairs via Four-Wave Mixing in Atomic Vapour*	Gurpreet Kaur Gulati, Bharath Srivathsan, Chng Mei Yuen Brenda, Gleb Maslennikov, Dzmitry Matsukevich, Christian Kurtsiefer
25	Arthur	La Rooij	*Towards atomic ensemble qubits and magnetic nanoscale lattices*	A.L. La Rooij, A. Tauschinsky, V.Y.F. Leung, J. B. Naber, G. B. Mulder, D. R. M. Pijn, H. B. van Linden van den Heuvell and R.J.C. Spreeuw

Posters, Day 3 (Thursday, July 19)

1	Karina	Merloti	*Bose-Einstein condensate in a highly anisotropic dressed quadrupole trap*	Karina Merloti, Romain Dubessy, Laurent Longchambon, Paul-Eric Pottie, Aurélien Perrin, Vincent Lorent and Hélène Perrin
2	Kilian	Müller	*Ultracold Atoms in Disorder : 3D Localization and Coherent Backscattering*	K. Müller1, F. Jendrzejewski1, A. Bernard2, P. Cheinet3, J. Richard1, A. Date4, A. Aspect1, P. Bouyer1;5, and V. Josse1; 1. Laboratoire Charles Fabry, Institut d'Optique, CNRS, Univ. Paris Sud 11; 2. European Laboratory for Non-Linear Spectroscopy (LENS), Florence; 3. Laboratoire Aimé Cotton, Orsay; 4. Indian Institute of Technology, Kharagpur; 5. Univ. Bordeaux 1, Institut d'Optique and CNRS ;
3	Juan	Omiste Romero	*Theory of mixed-field orientation for linear molecules: Loss of adiabaticity*	Juan J. Omiste and Rosario González-Férez
4	Laurin	Ostermann	*Superradiance and cascaded decay*	Laurin Ostermann, Hahsem Zoubi, Helmut Ritsch
5	Fernanda	Pinheiro	*Confined p-band Bose-Einstein condensates*	Fernanda Pinheiro, Jani-Petri Martikainen and Jonas Larson
6	Rodney	Polkinghorne	*Many-particle dynamics computed variationally in a coherent state basis*	R. E. S. Polkinghorne and P. D. Drummond
7	Sara	Rajaram	*Using photon statistics to distinguish the atomic phases in a Bose-Hubbard system coupled to a cavity field*	Sara Rajaram and Nandini Trivedi
8	Florentin	Reiter	*Dissipative preparation of entangled steady states in cavity QED and ion traps*	Florentin Reiter, Michael J. Kastoryano and Anders S. Sørensen

9	Benno	Rem	*Thermodynamic and Losses of a 3D Bose gas at Unitarity*	B. Rem, I. Ferrier-Barbut, U. Eismann, A. Grier, T. Langen, F. Chevy, C. Salomon
10	Riccardo	Rota	*Bose-Einstein condensation in quantum crystals: the quest of supersolidity*	Riccardo Rota and Jordi Boronat
11	Kallol	Roy	*Dynamical Decoherence Control of Atomic Spin Ensemble*	Kallol Roy , Biswajit Das , R. Srikanth , Bimalendu Deb , T. Srinivas
12	Emmi	Ruokokoski	*Stationary States of Trapped Spin-Orbit coupled Bose--Einstein condensates*	E. Ruokokoski, J. A. M. Huhtamäki, M. Möttönen
13	Guillaume	Salomon	*Coherence properties and influence of disorder in 2D Bose gases*	Baptiste Allard, Thomas Plisson, Markus Holzmann, Guillaume Salomon, Philippe Bouyer, Alain Aspect, Thomas Bourdel
14	Matthias	Scholl	*An experiment for the investigation of artificial gauge fields in ultracold Ytterbium gases*	A. Dareau, M. Scholl, D. Döring, J. Beugnon, J. Dalibard and F. Gerbier
15	Michael	Schug	*Controlled emission and absorption of single photons by two distant single ions*	Michael Schug, Jan Huwer, Joyee Ghosh, Christoph Kurz, Philipp Müller, Nicolas Piro, Francois Dubin, Jürgen Eschner.
16	Alok	Singh	*Observation of the nuclear magnetic octupole moment of 173Yb from precise measurements of hyperfine structure in the 3P2 state*	Alok Singh et Vasant Natarajan
17	Alexander	Thobe	*An Apparatus for the Investigation of Ytterbium Quantum Gases in Optical Lattices*	Sören Dörscher, Alexander Thobe, Bastian Hundt, Christoph Becker and Klaus Sengstock

18	Malte	Tichy	*Effects of tunable exchange symmetry for interacting bosons*	Malte C. Tichy, Jacob F. Sherson, and Klaus Mølmer
19	Lauri	Toikka	*Stability of Ring Dark Solitons in Toroidal BECs.*	L. A. Toikka, K-A. Suominen. Department of Physics and Astronomy, University of Turku, 20014 Turku, Finland.
20	Benoît	Vermersch	*Effects of interactions on the quasiperiodic kicked rotor metal-insulator transition*	Benoît Vermersch^1, Dominique Delande^2 and Jean Claude Garreau^1 1. Laboratoire de Physique des Lasers, Atomes et Molécules, Université Lille 1, France 2. Laboratoire Kastler-Brossel, UPMC-Paris 6, France
21	Anton	Vetlugin	*Addressable parallel cavity-based quantum memory*	Anton N. Vetlugin and Ivan V. Sokolov
22	Leo	Yu	*Quantum frequency conversion of nonclassical light – from InAs quantum dots into telecomm window*	Jason Pelc, Leo Yu, Kristiaan De Greve, Peter L. McMahon, Chandra M. Natarajan, Sebastian Maier, Christian Schneider, Martin Kamp, Sven Hofling, Robert H. Hadfield, Alfred Forchel, Martin Fejer, and Yoshihisa Yamamoto
23	Marcus	Lingham	*Precision studies of the contact parameter in a unitary Fermi gas*	Sascha Hoinka, Marcus Lingham, Kristian Fenech, Hui Hu, Chris J. Vale, Joaquın E. Drut, and Stefano Gandolfi
24	Kimmo	Luoma	*Non-Markovian waiting time distribution*	Kimmo Luoma, Kari Härkönen, Sabrina Maniscalco, Kalle-Antti Suominen and Jyrki Piilo
25	Aurélie	de Paz	*Dipolar Chromium BECs*	A. de Paz, G. Bismut, B. Pasquiou, A. Chotia, B. Laburthe-Tolra, E. Maréchal, P. Pedri, L. Vernac, O. Gorceix